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| DESIGNATION | AMINO ACID SEQUENCE | GPIIIa LOCATION |
|---------------|---------------------|-----------------|
| SEQ ID No: 1 | VSPMCAWCSDEALPL | 19-33 |
| SEQ ID No: 2 | SPMCAWCSDEALPLG | 20-34 |
| SEQ ID No: 3 | PMCAWCSDEALPLGS | 21-35 |
| SEQ ID No: 4 | MCAWCSDEALPLGSP | 22-36 |
| SEQ ID No: 5 | CAWCSDEALPLGSPR | 23-37 |
| SEQ ID No: 6 | AWCSDEALPLGSPRC | 24-38 |
| SEQ ID No: 7 | WCSDEALPLGSPRCD | 25-39 |
| SEQ ID No: 8 | CSDEALPLGSPRCDL | 26-40 |
| SEQ ID No: 9 | SDEALPLGSPRCDLK | 27-41 |
| SEQ ID No: 10 | DEALPLGSPRCDLKE | 28-42 |
| SEQ ID No: 11 | EALPLGSPRCDLKEN | 29-43 |
| SEQ ID No: 12 | ALPLGSPRCDLKENL | 30-44 |
| SEQ ID No: 13 | LPLGSPRCDLKENLL | 31-45 |
| SEQ ID No: 14 | PLGSPRCDLKENLLK | 32-46 |
| SEQ ID No: 15 | LGSPRCDLKENLLKD | 33-47 |
| SEQ ID No: 16 | VSPMCAWCSDEALPP | 19-33 |
| SEQ ID No: 17 | SPMCAWCSDEALPPG | 20-34 |
| SEQ ID No: 18 | PMCAWCSDEALPPGS | 21-35 |
| SEQ ID No: 19 | MCAWCSDEALPPGSP | 22-36 |
| SEQ ID No: 20 | CAWCSDEALPPGSPR | 23-37 |
| SEQ ID No: 21 | AWCSDEALPPGSPRC | 24-38 |
| SEQ ID No: 22 | WCSDEALPPGSPRCD | 25-39 |
| SEQ ID No: 23 | CSDEALPPGSPRCDL | 26-40 |
| SEQ ID No: 24 | SDEALPPGSPRCDLK | 27-41 |
| SEQ ID No: 25 | DEALPPGSPRCDLKE | 28-42 |
| SEQ ID No: 26 | EALPPGSPRCDLKEN | 29-43 |
| SEQ ID No: 27 | ALPPGSPRCDLKENL | 30-44 |
| SEQ ID No: 28 | LPPGSPRCDLKENLL | 31-45 |
| SEQ ID No: 29 | PPGSPRCDLKENLLK | 32-46 |
| SEQ ID No: 30 | PGSPRCDLKENLLKD | 33-47 |

Figure 1

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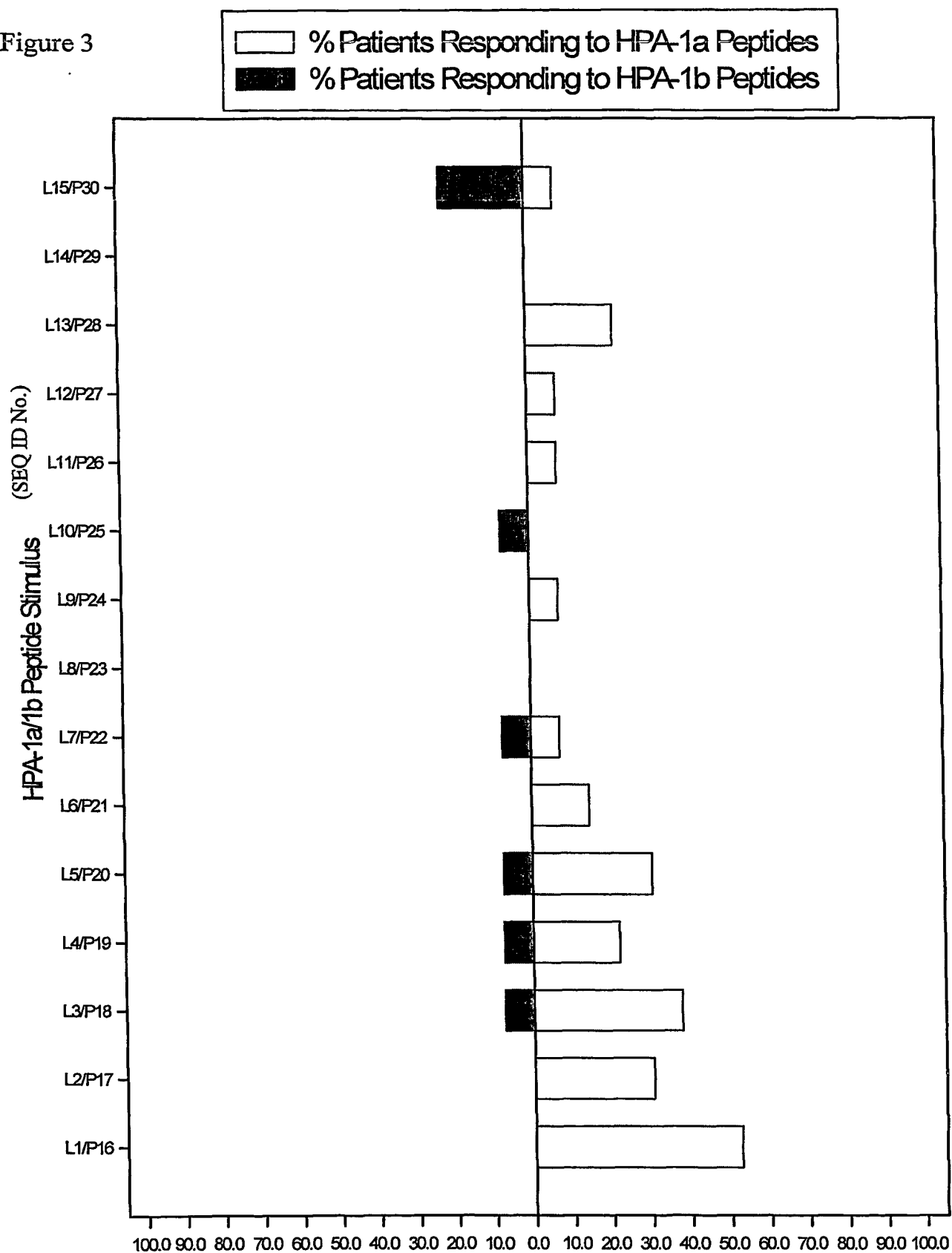
| HPA-1b1b Ab Pos Mothers | Age | anti-HPA-1a Antibodies * | | Stimulatory Peptides (SI>3) |
|-------------------------|-----|--------------------------|---------------|--|
| | | Ab Status | Baby Plt type | |
| NAIT-T31 | 40 | POS | HPA-1a1b | SEQ ID Nos. 1, and 13 |
| NAIT-T32 | 41 | POS | HPA-1a1b | SEQ ID Nos. 1, 3, 5, 6, 12, and 13 |
| NAIT-T33 | 33 | POS | HPA-1a1b | SEQ ID Nos. 1, 2, 3, 4, and 7 |
| NAIT-T34 | 35 | POS | HPA-1a1b | 0 |
| NAIT-T35 | 42 | POS | HPA-1a1b | SEQ ID Nos. 1, 2, and 5 |
| NAIT-T36 | 30 | POS | HPA-1a1b | SEQ ID No. 3 |
| NAIT-T37 | 33 | POS | HPA-1a1b | SEQ ID Nos. 1, 3, 4, 5, 6, 9, 11, 12, 19, 20, 22, and 25 |
| NAIT-T39 | 39 | POS | HPA-1a1b | 0 |
| NAIT-T40 | 28 | POS | HPA-1a1b | SEQ ID Nos. 1, 2, 3, 13, 15, and 18 |
| NAIT-T42 | 33 | POS | HPA-1a1b | SEQ ID Nos. 1, and 4 |
| NAIT-T65 | 37 | Neg ** | HPA-1a1b | 0 |
| VM2031 | 45 | POS | HPA-1a1b | SEQ ID No. 5 |
| SH2059 | 40 | POS | HPA-1a1b | 0 |
| KK2098 | 35 | Neg ** | HPA-1a1b | 0 |
| HPA-1b1b Ab Neg Mothers | | anti-HPA-1a Antibodies * | | Stimulatory Peptides (SI>3) |
| | | Ab Status | Baby Plt type | |
| NAIT-T61 | 36 | Neg | HPA-1a1b | None |
| NAIT-T62 | 21 | Neg | HPA-1a1b | None |
| NAIT-T63 | 36 | Neg | HPA-1a1b | None |
| NAIT-T66 | 34 | Neg | HPA-1a1b | SEQ ID Nos. 12, 13, and 16 |
| NAIT-T38 | 35 | Neg | HPA-1a1b | None |
| NAIT-T41 | 34 | Neg | HPA-1a1b | SEQ ID Nos. 12 and 20 |
| NAIT-T64 | 28 | Neg | HPA-1a1b | None |

* at the time of testing

** positive during pregnancy

Figure 2

Figure 3



0/ Indicate with T cells Depending to LPA 4a/4b Pentides

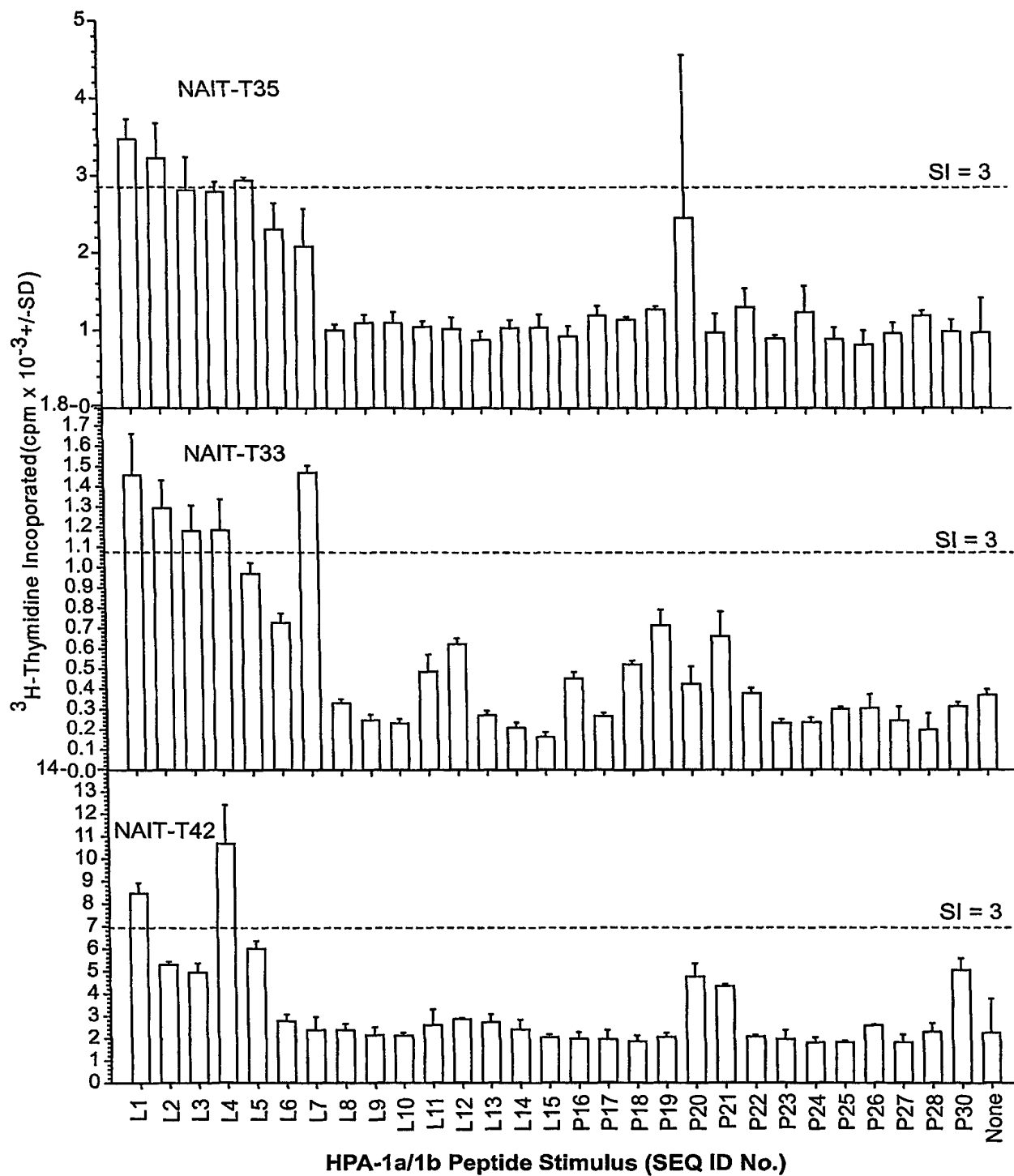
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| Control Subjects | Age | HPA-1 Genotype | | anti-HPA-1a Ab Status | Stimulatory Peptides (SI>3) |
|------------------------------|-----|----------------|----------|--------------------------|-----------------------------|
| | | Donor Plt type | | | |
| HPA-1b1b Ab Neg Male Donor | | | | | |
| NAIT-T67 | 49 | | | Neg | None |
| HPA-1a Female Control Donors | | | | | |
| C31 | 42 | | HPA-1a1a | Neg | None |
| C32 | 36 | | HPA-1a1a | NT | None |
| C33 | 48 | | HPA-1a1a | NT | None |
| C34 | 38 | | HPA-1a1a | Neg | None |
| C35 | 47 | | HPA-1a1a | Neg | None |
| C36 | 48 | | HPA-1a1b | NT | None |
| C37 | 37 | | HPA-1a1b | Neg | None |
| C38 | 32 | | HPA-1a1b | NT | None |
| C39 | 56 | | HPA-1a1b | NT | None |
| C40 | 33 | | HPA-1a1a | Neg | None |
| C41 | 28 | | HPA-1a1b | NT | None |

Figure 4

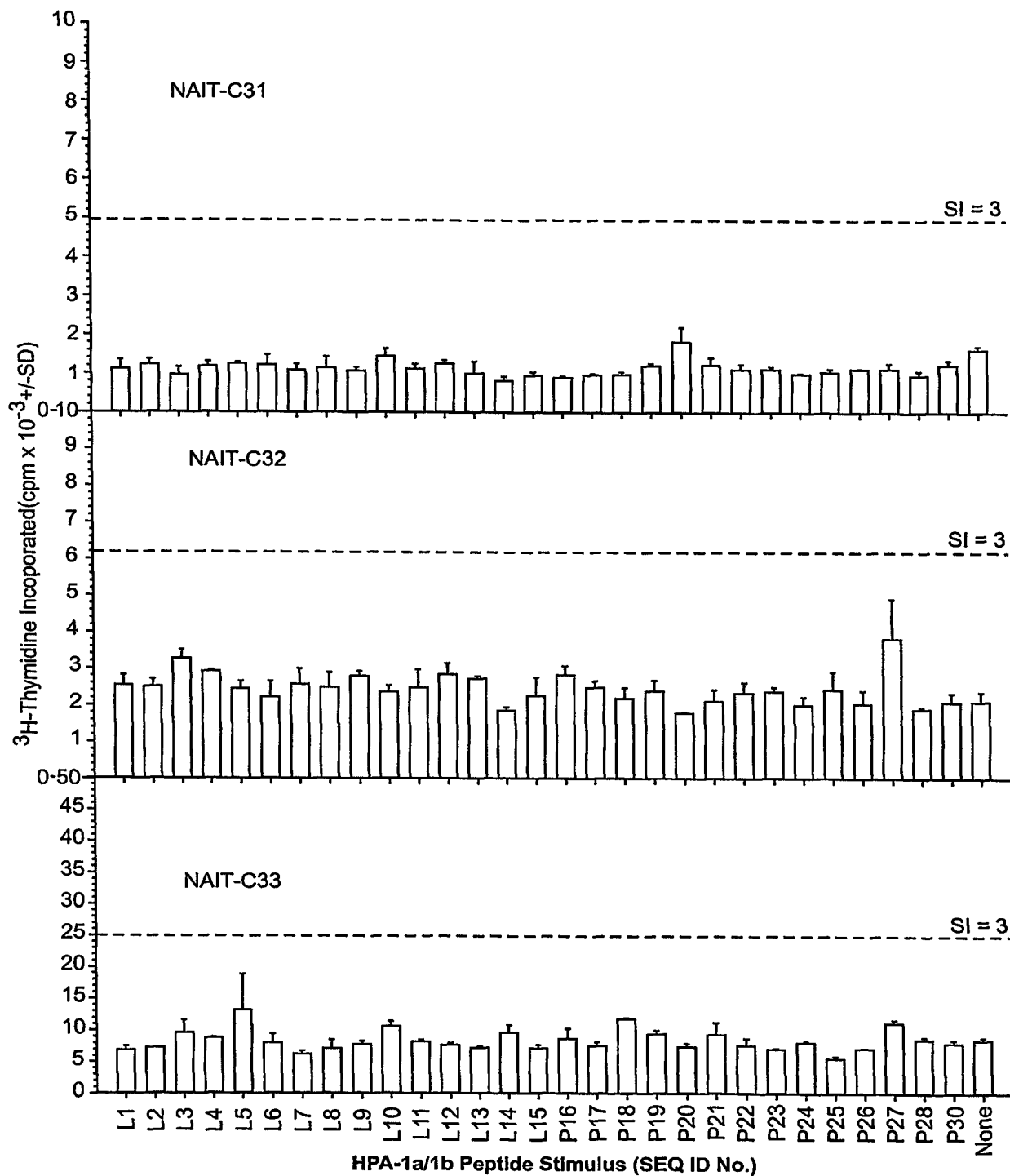
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Figure 5



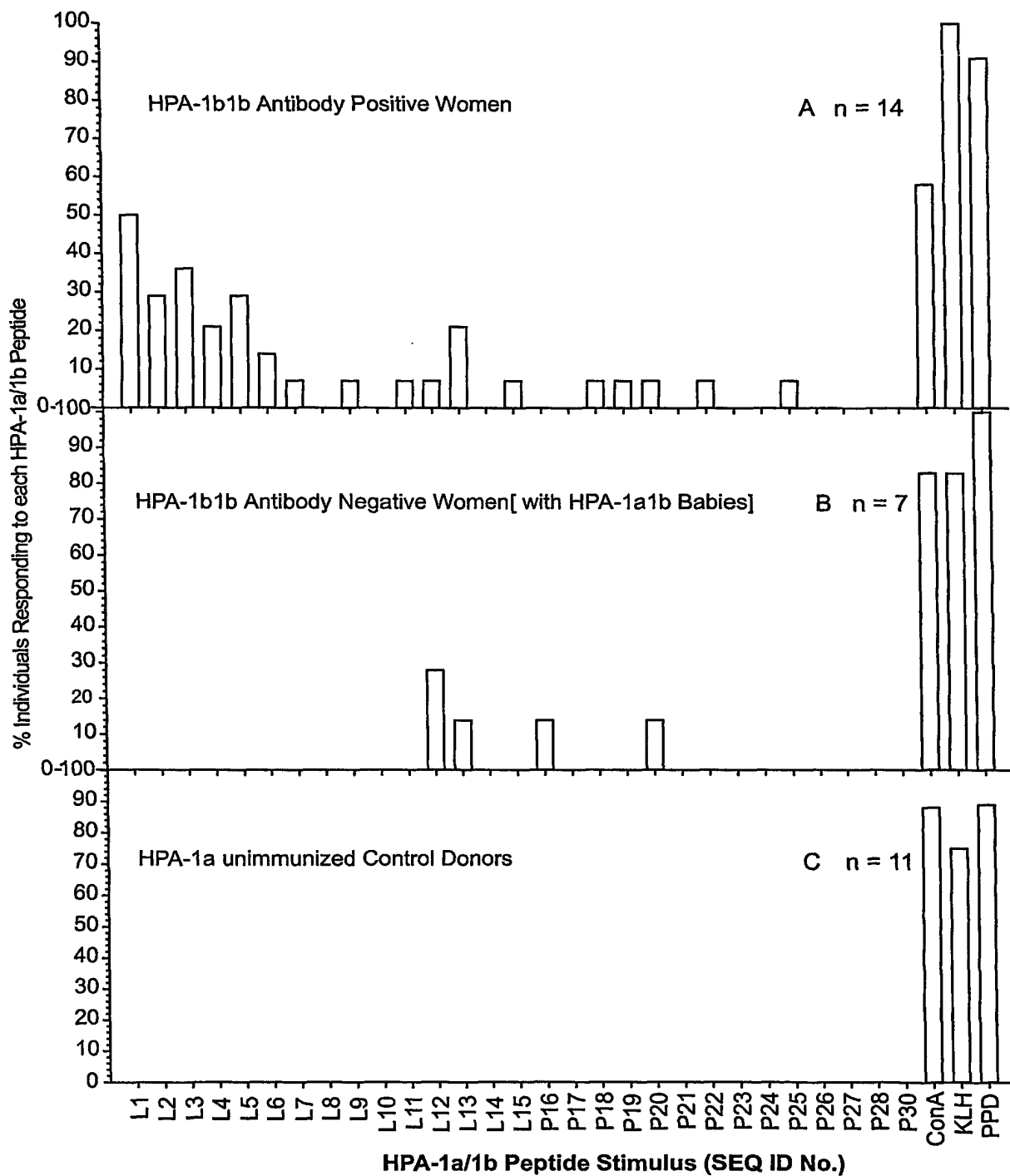
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Figure 6



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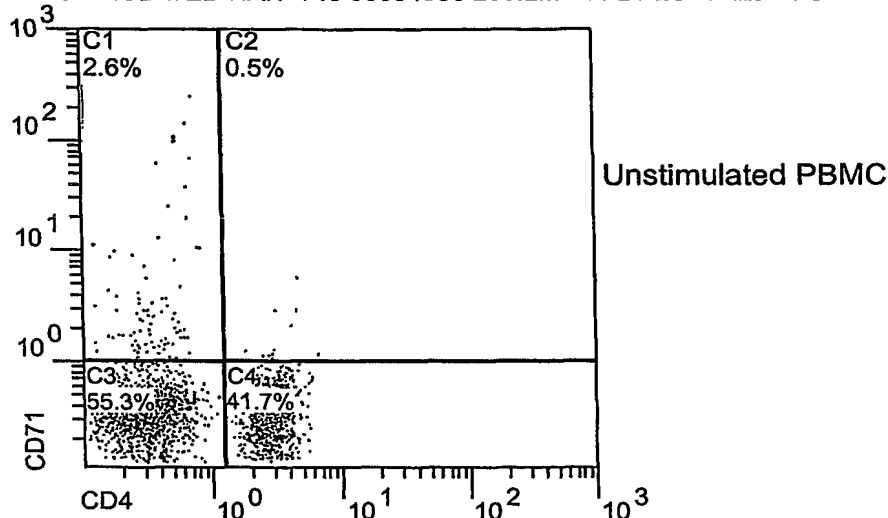
Figure 7



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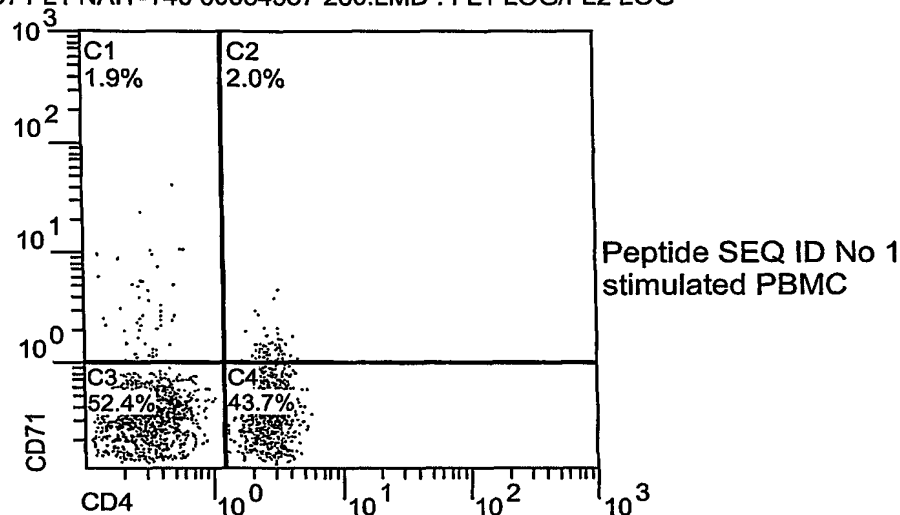
(F2)[A] CD71 UNSTIMULATED NAIT-T40 00054586 259.LMD : FL1 LOG/FL2 LOG

Figure 8



(F2)[A] CD71 L1 NAIT-T40 00054587 260.LMD : FL1 LOG/FL2 LOG

CD71 PE



(F2)[A] CD71 L1 NAIT-T40 00054588 261.LMD : FL1 LOG/FL2 LOG

